

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 01307514  
PUBLICATION DATE : 12-12-89

APPLICATION DATE : 03-06-88  
APPLICATION NUMBER : 63137966

APPLICANT : NITTO DENKO CORP;

INVENTOR : HONDO MAMORU;

INT.CL. : F16C 33/20 B23Q 1/26

TITLE : POROUS SHEET FOR SLIDING AND ADHESIVE SHEET FOR SLIDING

ABSTRACT : PURPOSE: To improve heat resistance and resistance to wear by dispersedly containing a specified amount of polyimide powder in a polytetrafluoroethylene resin, and specifying porosity of the resine.

CONSTITUTION: Polyimide powder is dispersedly contained in a polytetra- fluoroethylene resin at the amount of 1 to 50wt. percent, and porosity of the resine is determined to be 5 to 55 percent. The polyimide powder acts as a filler material in PTFE, and is typically obtained by converting polyamide acid obtained by the reaction of aromatic tetracarboxylic acid dianhydride on aromatic diamine into imide. When the new material is used as a sheet, damage to mating materials is reduced, and heat resistance and resistance to wear are also improved.

COPYRIGHT: (C)1989,JPO&Japio

BEST AVAILABLE COPY